PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or age	nt's file reference	FOR FURTHER ACT	TON	See Form PCT/IPEA/416	
31144					
International application No.		International f. og date (a	lay/month/year)	Priority date (day/month/year)	
PCT/IL06/00059		15 January 2006 (15.01.20		13 January 2005 (13.01.2005)	
		or national classification and			
	/166(2006.01);A61B 5 .08,363.04	/05(2006.01),6/00(2006.01);G06K 9/00(2006.01)		
Applicant					
SPECTRUM DY	NAMICS LLC				
	 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 				
2. This I	REPORT consists of	a total of sheets, inclu	ding this cover sheet	ı .	
3. This t	report is also accompa	anied by ANNEXES, con	nprising:	c1	
a. 🔀	(sent to the applica	nt and to the Internationa	al Bureau) a total of	sheets, as follows:	
/	sheets of the this report ar	description, claims and/o	or drawings which ha ectifications authoriz	ve been amended and are the basis of ed by this Authority (see Rule 70.16	
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.				
Ь. Г	_		otal of (indicate type	and number of electronic carrier(s))	
	, containir	ng a sequence listing ar Supplemental Box Re	nd/or tables related	thereto, in electronic form only, as Listing (see Section 802 of the	
4. This	report contains indica	tions relating to the follo	wing items:		
	-	asis of the report	J		
		-			
	Box No. II Pr	iority			
		on-establishment of opini plicability	on with regard to novelty, inventive step and industrial		
	Box No. IV La	ick of unity of invention			
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step industrial applicability; citations and explanations supporting such statement		•		
	Box No. VI Co	ertain documents cited			
Box No. VII Certain defects in the intern		ational application			
Box No. VIII Certain observations on the i		international applica	tion		
Date of submission of the demand		Date of completion	of this report		
10 January 2007 (10.01.2007)		01 May 2007 (01.05.2			
Name and mailing address of the IPEA/US Mail Stop PCT, Attn: IPEA/US		Authorized officer	Chorda 1 Bell		
Commissioner for Patents			Constantine Hannahe	to see	
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. (571)			
Facsimile No. (571) 273-3201				·	

Form PCT/IPEA/409 (cover sheet)(April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.	
PCT/II:06/00059	

1. With regard to the language, this report is based on: the international application in the language in which it was filed. a translation of the international application into English, which is the language of a translation furnished for the purposes of: international search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rule 12.4(a)) international preliminary examination (under Rule 12.4(a)) international preliminary examination (under Rules 55.2(a) and/or \$5.3(a)) 2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report; the international application as originally filed/furnished the description: pages 1.3-7.9-13.16-101 and 103	Box	No.	I Basis of the report	_
a translation of the international application into English, which is the language of a translation furnished for the purposes of:	1. \	With	regard to the language, this report is based on:	
purposes of:		\boxtimes	the international application in the language in which it was filed.	
publication of the international application (under Rule 12.4(a)) international preliminary examination (under Rules 55.2(a) and/or 55.3(a)) 2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report. the international application as originally filed/furnished the description: pages 1.3-7.9-13.16-101 and 103				
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pages* 107 as originally filed/furnished pages* NONE as amended (together with any statement) under Article 19 pages* 104-106 received by this Authority on 10 January 2007 (10.01.2007) pages* NONE received by this Authority on the drawings: pages 1/94-94/94 as originally filed/furnished pages* NONE received by this Authority on pages* NONE received by this Authority on a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing. The amendments have resulted in the cancellation of: the description, pages the claims, Nos. the drawings, sheets/figs any table(s) related to the sequence listing (specify): any table(s) related to the sequence listing (specify): the description, pages the claims, Nos. the drawings, sheets/figs the sequence listing (specify): any table(s) related to the sequence listing (specify): any table(s) related to the sequence listing (specify):				
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.	
PCT/IL06/00059	

Box No. IV	Lack of unity of invention
1. In res	ponse to the invitation to restrict or pay additional fees the applicant has, within the applicable time limit:
	restricted the claims.
	paid additional fees.
	paid additional fees under protest, and, where applicable, the protest fee
	paid additional fees under protest but the applicable protest fee was not paid
	neither restricted the claims nor paid additional fees
	Authority found that the requirement of unity of invention is not complied with and chose, according to Rule not to invite the applicant to restrict or pay additional fees.
3. This Author	rity considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is:
comp	lied with.
ot co	omplied with for the following reasons:
This applicatio	n contains the following inventions or groups of inventions which are not so linked as to form a single general inventive CT Rule 13.1.
Group I, claim	(s) 1, drawn to a method of image reconstruction of a multi-isotope source.
Group II, claim	(s) 2-4, drawn to a method of determining a future administration dose.
Group III, clain	n(s) 5-17, drawn to methods, apparatus, and electronic storage mediums of diagnosing a patient condition.
Rule 13.2, they I is not the same Group II, or the	listed as Groups I, II, III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT lack the same or corresponding special technical features for the following reasons: the modeling and solution of Groupe, not does it correspond to, the administration of a reduced, and prediction of a future, radiopharmaceutical dose of measurement by SPECT of a behavior of a radiopharmaceutical in vivo of Group III. Likewise, the special technical up II are not the same as, nor do they correspond to, the special technical features of Group III.
4. Consequen	tly, this report has been established in respect of the following parts of the international application:
	parts
the	parts relating to claims Nos

Form PCT/IPEA/409 (Box No. IV) (April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/IL06/00059

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement				
Novelty (N)	Claims 1-17	YES		
	Claims NONE			
Inventive Step (IS)	Claims 1-17	YES		
	Claims NONE			
Industrial Applicability (IA)	Claims 1-17	YES		
	Claims NONE	NO NO		
2. Citations and Explanations (Rule 70.7) Claims 1-17 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the method of image reconstruction of a multi-isotope source of claim 1, the method for treatment of the human body by therapy of claim 2, the diagnostic methods of claims 3 and 6, or the electronic storage mediums and apparatus for automatic diagnosis of claims 10, 11, and 15. Claims 1-17 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry. NEW CITATIONS NEW CITATIONS NEW CITATIONS				
Form PCT/IPEA/409 (Box No. V) (April 2005)				